

OFFICE OF THE DELAWARE RIVER MASTER, MILFORD, PA.

Web address: <http://water.usgs.gov/orh/nrwww/odrm>

Summary river data for March 1 - 7, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river					Diversions to New York City water supply				
	Pepacton		Cannonsville		Neversink		Pepacton	Cannonsville	Neversink	Average June 1, 2003 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	spill begin 0800	beginning 0800	beginning 0800	beginning 0800		
Mar. 1	29	118	0	16	57	491	195	0	525	
2	29	108	0	16	109	491	195	0	526	
3	29	75	0	16	96	491	195	0	526	
4	29	39	0	16	40	465	196	361	528	
5	29	29	0	16	0	225	31	458	529	
6	30	29	288	16	0	34	26	459	529	
7	30	29	1,511	16	0	35	25	459	529	

Pepacton Reservoir (P):	Available storage Mar. 8, 2004 (0800) Spillway crest elevation 1,280.00 ft.	127.128 billion gals. 140.190 billion gallons.	90.7 % (elev. 1,272.73 ft.)
Cannonsville Reservoir (C):	Available storage Mar. 8, 2004 (0800) Spillway crest elevation 1,150.00 ft.	99.585 billion gals. 95.706 billion gallons.	104.1 % (elev. 1,152.41 ft.)
Neversink Reservoir (N):	Available storage Mar. 8, 2004 (0800) Spillway crest elevation 1,440.00 ft.	34.675 billion gals. 34.941 billion gallons.	99.2 % (elev. 1,439.46 ft.)
Combined contents, PCN:	Available storage Mar. 8, 2004 (0800) Combined capacity at spillway level.	261.388 billion gals. 270.837 billion gallons.	96.5 %
Lake Wallenpaupack:	Available storage Mar. 7, 2004 (2400) Spillway crest elevation 1,190.00 ft.	21.228 billion gals. 35.451 billion gallons.	59.9 % (elev. 1,182.3 ft.)

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Mar. 1	0	45	170	25	0	0	1,760	2,000	50	3,104	0
2	0	45	181	25	100	0	2,179	2,530	0	3,104	.01	.01
3	0	45	183	25	128	0	3,959	4,340	0	3,104	.02	.03
4	0	45	167	25	75	0	7,438	7,750	0	3,104	.15	.18
5	0	45	116	25	95	14	9,905	10,200	0	3,104	.08	.26
6	0	45	60	25	172	74	11,824	12,200	0	3,104	.22	.48
7	0	45	45	25	0	89	19,196	19,400	0	3,104	.10	.58

1. Release directed to maintain a flow at Montague of 1,810 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spills from Cannonsville and Neversink Reservoirs.

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal March 1 - 7, 2004 averaged 95.0 mgd. The average diversion for the 30-day period ending March 7, 2004 was 90.6 mgd and the maximum diversion during the period was 98 mg on February 12, 2004.

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Web address: <http://water.usgs.gov/orh/nrwww/odrm>

Summary river data for March 8 - 14, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river				Diversions to New York City water supply			
	Pepacton	Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	Average June 1, 2003 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 8	30	29	1,815	16	0	26	459	528
9	30	29	1,667	16	0	0	459	528
10	30	29	1,351	16	0	0	460	528
11	29	29	1,067	16	0	0	462	528
12	29	29	969	16	0	0	463	528
13	180	29	801	16	0	0	463	527
14	492	29	647	16	0	0	462	527

Pepacton Reservoir (P):	Available storage Mar. 15, 2004 (0800) Spillway crest elevation 1,280.00 ft.	132.540 billion gals. 94.5 % (elev. 1,275.79 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 15, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.718 billion gals. 102.1 % (elev. 1,151.25 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 15, 2004 (0800) Spillway crest elevation 1,440.00 ft.	32.634 billion gals. 93.4 % (elev. 1,435.24 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 15, 2004 (0800) Combined capacity at spillway level.	262.892 billion gals. 97.1 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 14, 2004 (2400) Spillway crest elevation 1,190.00 ft.	22.847 billion gals. 64.4 % (elev. 1,183.2 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.	Daily	Cumul.
	Mar. 8	0	45	45	25	27	124	17,134	17,400	0	3,104	.23
9	0	46	45	25	399	142	13,943	14,600	0	3,104	.17	.98
10	0	46	45	25	364	124	11,696	12,300	0	3,104	.04	1.02
11	0	46	45	25	340	184	10,060	10,700	0	3,104	0	1.02
12	0	46	45	25	373	163	9,148	9,800	0	3,104	.03	1.05
13	0	46	45	25	268	167	8,149	8,700	0	3,104	0	1.05
14	0	45	45	25	46	177	7,072	7,410	0	3,104	0	1.05

1. Release directed to maintain a flow at Montague of 1,810 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal March 8 - 14, 2004 averaged 90.0 mgd. The average diversion for the 30-day period ending March 14, 2004 was 91.8 mgd and the maximum diversion during the period was 97 mg on March 2, 2004.

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Summary river data for March 15 - 21, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river				Diversions to New York City water supply			
	Pepacton	Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	Average June 1, 2003 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 15	89	29	625	16	0	0	462	527
16	29	29	576	16	160	0	172	526
17	29	29	522	16	292	0	145	526
18	29	29	467	16	296	0	148	526
19	29	29	414	16	304	0	144	525
20	29	29	373	16	298	0	146	525
21	29	29	446	16	279	0	145	525

Pepacton Reservoir (P):	Available storage Mar. 22, 2004 (0800) Spillway crest elevation 1,280.00 ft.	133.905 billion gals. 95.5 % (elev. 1,276.55 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 22, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.315 billion gals. 101.7 % (elev. 1,151.00 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 22, 2004 (0800) Spillway crest elevation 1,440.00 ft.	31.991 billion gals. 91.6 % (elev. 1,433.88 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 22, 2004 (0800) Combined capacity at spillway level.	263.211 billion gals. 97.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 21, 2004 (2400) Spillway crest elevation 1,190.00 ft.	23.577 billion gals. 66.5 % (elev. 1,183.6 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Excess Release Credits ³		Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily Cumul.	Daily	Cumul.	
	Mar. 15	0	45	45	25	8	167	6,590	6,880	0 3,104	.01	1.06
16	0	278	45	25	309	188	6,355	7,200	Expired	0	1.06	
17	0	761	45	25	313	319	5,097	6,560		.36	1.42	
18	0	138	45	25	263	316	5,303	6,090		.05	1.47	
19	0	45	45	25	265	351	5,019	5,750		.07	1.54	
20	0	45	45	25	267	351	4,647	5,380		0	1.54	
21	0	45	45	25	0	362	4,803	5,280		.20	1.74	

1. Release directed to maintain a flow at Montague of 1,810 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

3. The excess-release quantity for the seasonal period beginning June 15, 2003 is 11,418 cfs-days. Sixty percent is to be released under normal conditions and forty percent is to be used for a habitat bank per DRBC Docket No. D-77-20 CP, Revision 6.

Diversions by New Jersey through the D & R Canal March 15 - 21, 2004 averaged 90.3 mgd. The average diversion for the 30-day period ending March 21, 2004 was 91.7 mgd and the maximum diversion during the period was 97 mg on March 2, 2004.

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Summary river data for March 22 - 28, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river				Diversions to New York City water supply			
	Pepacton	Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	Average June 1, 2003 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 22	29	29	456	16	300	0	144	524
23	29	29	420	16	303	0	177	524
24	29	29	409	16	287	0	145	524
25	29	29	442	16	436	0	145	524
26	29	29	526	16	441	0	147	524
27	29	29	747	16	440	0	144	525
28	29	29	994	16	440	0	144	525

Pepacton Reservoir (P):	Available storage Mar. 29, 2004 (0800) Spillway crest elevation 1,280.00 ft.	136.073 billion gals. 97.1 % (elev. 1,277.75 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Mar. 29, 2004 (0800) Spillway crest elevation 1,150.00 ft.	98.410 billion gals. 102.8 % (elev. 1,151.68 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Mar. 29, 2004 (0800) Spillway crest elevation 1,440.00 ft.	32.278 billion gals. 92.4 % (elev. 1,434.49 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Mar. 29, 2004 (0800) Combined capacity at spillway level.	266.761 billion gals. 98.5 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Mar. 28, 2004 (2400) Spillway crest elevation 1,190.00 ft.	23.942 billion gals. 67.5 % (elev. 1,183.8 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Mar. 22	0	45	45	25	27	177	5,851	6,170	0
23	0	45	45	25	414	319	5,062	5,910	0	1.74
24	0	45	45	25	437	227	4,591	5,370	0	1.74
25	0	45	45	25	358	252	4,985	5,710	.03	1.77
26	0	45	45	25	677	234	5,154	6,180	.04	1.81
27	0	45	45	25	343	230	5,772	6,460	.10	1.91
28	0	45	45	25	0	230	7,935	8,280	0	1.91

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

Diversions by New Jersey through the D & R Canal March 22 - 28, 2004 averaged 91.1 mgd. The average diversion for the 30-day period ending March 28, 2004 was 91.6 mgd and the maximum diversion during the period was 97 mg on March 2, 2004.

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Summary river data for March 29 - April 4, 2004 (preliminary data-subject to revision)

RESERVOIR OPERATION DATA

Millions of gallons - 24 hour period, local time

Date	Discharge to river				Diversions to New York City water supply			
	Pepacton	Cannonsville		Neversink	Pepacton	Cannonsville	Neversink	Average June 1, 2003 to date
	release begin 1200	release end 2400	spill begin 0800	release begin 1500	beginning 0800	beginning 0800	beginning 0800	
Mar. 29	29	29	1,075	16	449	0	146	525
30	29	29	1,029	16	449	0	143	525
31	29	29	931	16	449	0	145	525
Apr. 1	29	29	877	16	320	0	106	525
2	28	29	885	16	300	0	97	525
3	29	27	842	16	292	0	95	524
4	29	29	751	16	255	0	97	524

Pepacton Reservoir (P):	Available storage Apr. 5, 2004 (0800) Spillway crest elevation 1,280.00 ft.	139.932 billion gals. 99.8 % (elev. 1,279.86 ft.) 140.190 billion gallons.
Cannonsville Reservoir (C):	Available storage Apr. 5, 2004 (0800) Spillway crest elevation 1,150.00 ft.	97.798 billion gals. 102.2 % (elev. 1,151.30 ft.) 95.706 billion gallons.
Neversink Reservoir (N):	Available storage Apr. 5, 2004 (0800) Spillway crest elevation 1,440.00 ft.	33.717 billion gals. 96.5 % (elev. 1,437.50 ft.) 34.941 billion gallons.
Combined contents, PCN:	Available storage Apr. 5, 2004 (0800) Combined capacity at spillway level.	271.447 billion gals. 100.2 % 270.837 billion gallons.
Lake Wallenpaupack:	Available storage Apr. 4, 2004 (2400) Spillway crest elevation 1,190.00 ft.	24.855 billion gals. 70.1 % (elev. 1,184.3 ft.) 35.451 billion gallons.

SEGREGATION OF FLOW, DELAWARE RIVER AT MONTAGUE AND
PRECIPITATION IN UPPER DELAWARE RIVER BASIN

Discharge in cubic feet per second, local time as routed to Montague

Date	Releases from N.Y.C. Reservoirs				Power releases		Computed uncon- trolled ²	Total Discharge	Precipitation (inches)	
	Directed release ¹	Pepacton	Cannons- ville	Never- sink	Wallen- paupack	Rio Reservoir			Daily	Cumul.
	Mar. 29	0	45	45	25	8	71	8,686	8,880	0
30	0	45	45	25	331	245	7,839	8,530	0	1.91
31	0	45	45	25	402	235	7,398	8,150	.19	2.10
Apr. 1	0	45	45	25	242	230	7,593	8,180	.11	.11
2	0	45	45	25	385	248	9,252	10,000	.46	.57
3	0	45	45	25	275	206	9,014	9,610	.01	.58
4	0	45	45	25	0	379	7,926	8,420	.06	.64

1. Release directed to maintain a flow at Montague of 1,750 cfs.

2. Includes conservation release of 100 cfs from Rio Reservoir and spill from Cannonsville Reservoir.

Diversions by New Jersey through the D & R Canal March 29 - April 4, 2004 averaged 89.9 mgd. The average diversion for the 30-day period ending April 4, 2004 was 90.6 mgd and the maximum diversion during the period was 95 mgd on March 6, 17, and 28, 2004.